

FIG. 1

FIG. 2 is a block diagram of a system for managing calls to a residential gateway. The system includes a Packet-based Communication Network (22) connected to a Call Agent (26), a Presence Management Processor (28), and three Residential Gateways (10). Each Residential Gateway (10) is connected to a Telephone (2) and displays a status message (17) on its display (15). The status messages are: 'No Callers' for the top two gateways and 'Caller 1 Available, Caller 2 Out, Caller 3 Busy' for the bottom gateway. The Call Agent (26) and Presence Management Processor (28) are connected to the Packet-based Communication Network (22). The Packet-based Communication Network (22) is connected to the three Residential Gateways (10). The Call Agent (26) is connected to the top-left Residential Gateway (10). The Presence Management Processor (28) is connected to the top-right Residential Gateway (10). The Packet-based Communication Network (22) is connected to the bottom Residential Gateway (10). The Call Agent (26) is connected to the top-left Residential Gateway (10). The Presence Management Processor (28) is connected to the top-right Residential Gateway (10). The Packet-based Communication Network (22) is connected to the bottom Residential Gateway (10).

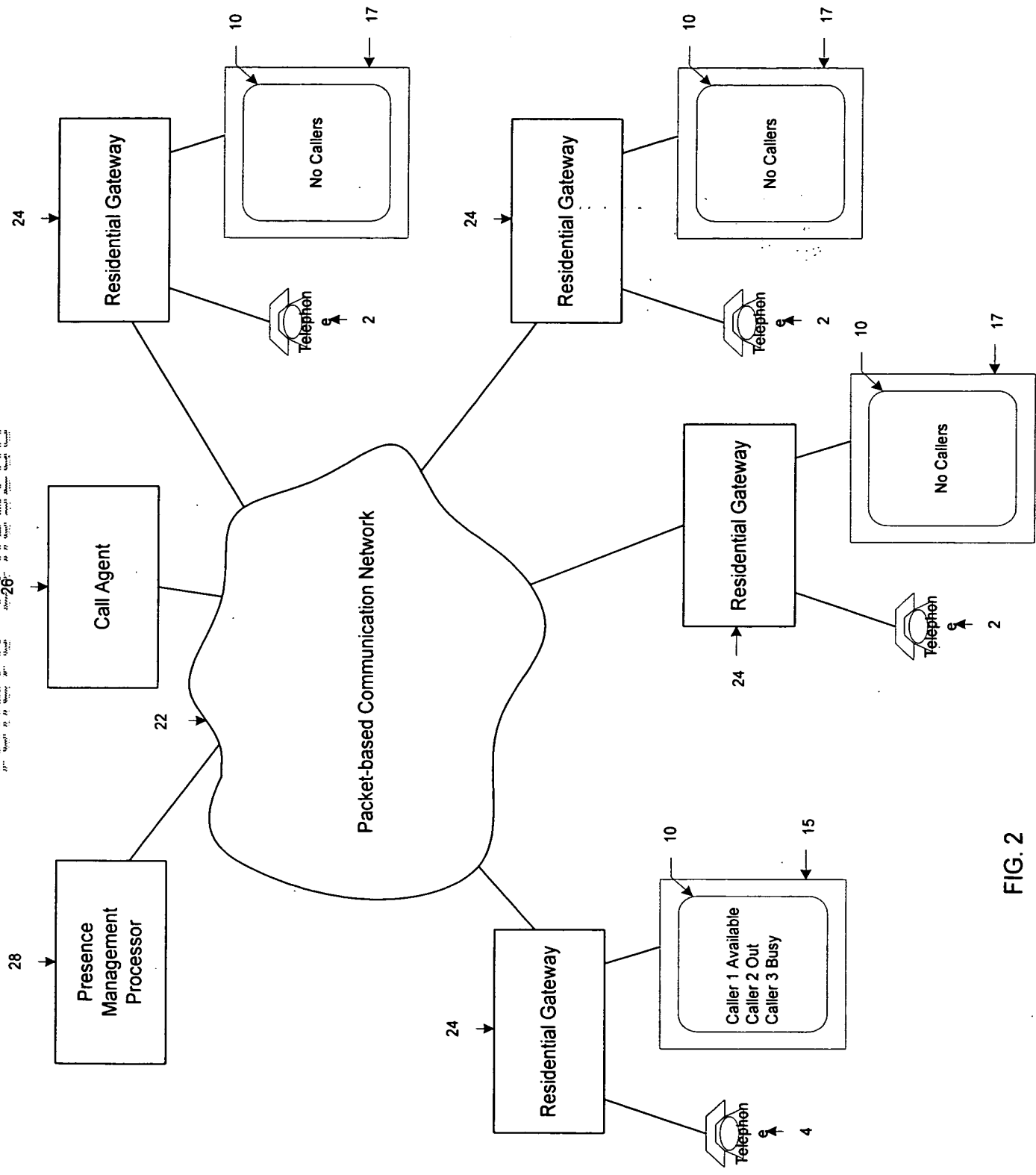


FIG. 2

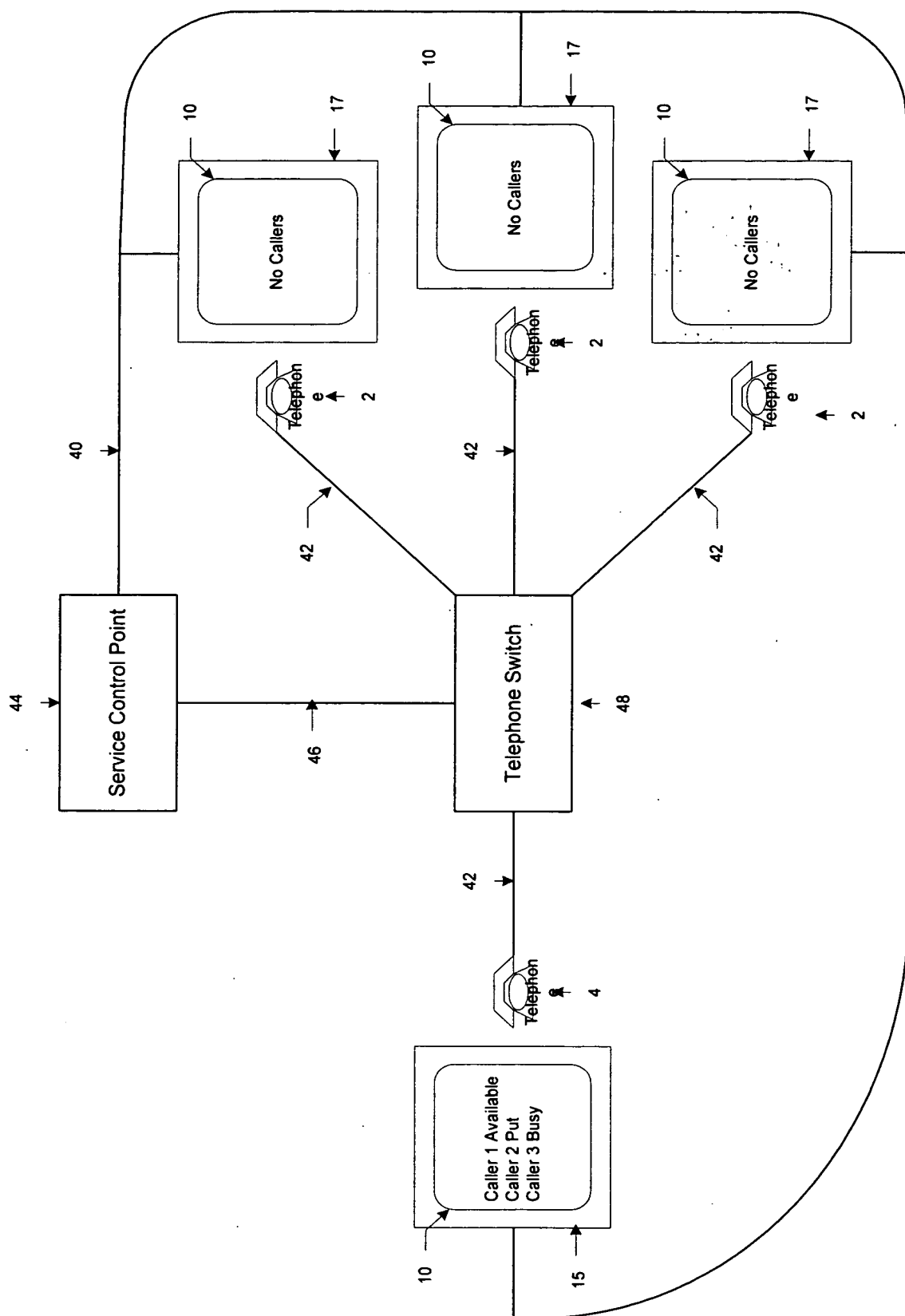


FIG. 3